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AMENDMENTS TO THE CLAIMS

- 1. (Cancelled) Isolated nucleic acid having at least 80% nucleic acid sequence identity to a nucleotide sequence that encodes an amino acid sequence selected from the group consisting of the amino acid sequence shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) and Figure 46 (SEQ ID NO:80).
- 2. (Cancelled) Isolated nucleic acid having at least 80% nucleic acid sequence identity to a nucleotide sequence selected from the group consisting of the nucleotide sequence shown in Figure 1 (SEQ ID NO:1), Figure 3 (SEQ ID NO:8), Figure 5 (SEQ ID NO:10), Figure 7 (SEQ ID NO:15), Figure 9 (SEQ ID NO:17), Figure 11 (SEQ ID NO:22), Figure 13 (SEQ ID NO:28), Figure 15 (SEQ ID NO:34), Figure 17 (SEQ ID NO:39), Figure 19 (SEQ ID NO:44), Figure 21 (SEQ ID NO:49), Figure 23 (SEQ ID NO:51), Figure 25 (SEQ ID NO:56), Figure 27 (SEQ ID NO:58), Figure 29 (SEQ ID NO:60), Figure 31 (SEQ ID NO:62), Figure 33 (SEQ ID NO:64), Figure 35 (SEQ ID NO:66), Figure 37 (SEQ ID NO:71), Figure 39 (SEQ ID NO:73), Figure 41 (SEQ ID NO:75), Figure 43 (SEQ ID NO:77) and Figure 45 (SEQ ID NO:79).
- 3. (Cancelled) Isolated nucleic acid having at least 80% nucleic acid sequence identity to a nucleotide sequence selected from the group consisting of the full-length coding sequence of the nucleotide sequence shown in Figure 1 (SEQ ID NO:1), Figure 3 (SEQ ID NO:8), Figure 5 (SEQ ID NO:10), Figure 7 (SEQ ID NO:15), Figure 9 (SEQ ID NO:17), Figure 11 (SEQ ID NO:22), Figure 13 (SEQ ID NO:28), Figure 15 (SEQ ID NO:34), Figure 17 (SEQ ID NO:39), Figure 19 (SEQ ID NO:44), Figure 21 (SEQ ID NO:49), Figure 23 (SEQ ID NO:51), Figure 25 (SEQ ID NO:56), Figure 27 (SEQ ID NO:58), Figure 29 (SEQ ID NO:60), Figure 31 (SEQ ID NO:62), Figure 33 (SEQ ID NO:64), Figure 35 (SEQ ID NO:66), Figure 37 (SEQ ID NO:71), Figure 39 (SEQ ID NO:73), Figure 41 (SEQ ID NO:75), Figure 43 (SEQ ID NO:77) and Figure 45 (SEQ ID NO:79).

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4. (Cancelled) Isolated nucleic acid having at least 80% nucleic acid sequence identity to the full-length coding sequence of the DNA deposited under any ATCC accession number shown in Table 7.

- 5. (Cancelled) A vector comprising the nucleic acid of any one of Claims 1 to 4.
- 6. (Cancelled) The vector of Claim 5 operably linked to control sequences recognized by a host cell transformed with the vector.
 - 7. (Cancelled) A host cell comprising the vector of Claim 5.
 - 8. (Cancelled) The host cell of Claim 7, wherein said cell is a CHO cell.
 - 9. (Cancelled) The host cell of Claim 7, wherein said cell is an E. coli.
 - 10. (Cancelled) The host cell of Claim 7, wherein said cell is a yeast cell.
- 11. (Cancelled) A process for producing a PRO polypeptides comprising culturing the host cell of Claim 7 under conditions suitable for expression of said PRO polypeptide and recovering said PRO polypeptide from the cell culture.
- 12. (Cancelled) An isolated polypeptide having at least 80% amino acid sequence identity to an amino acid sequence selected from the group consisting of the amino acid sequence shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) and Figure 46 (SEQ ID NO:80).
- 13. (Cancelled) An isolated polypeptide scoring at least 80% positives when compared to an amino acid sequence selected from the group consisting of the amino acid sequence shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40

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(SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) and Figure 46 (SEQ ID NO:80).

- 14. (Cancelled) An isolated polypeptide having at least 80% amino acid sequence identity to an amino acid sequence encoded by the full-length coding sequence of the DNA deposited under any ATCC accession number shown in Table 7.
- 15. (Cancelled) A chimeric molecule comprising a polypeptide according to any one of Claims 12 to 14 fused to a heterologous amino acid sequence.
- 16. (Cancelled) The chimeric molecule of Claim 15, wherein said heterologous amino acid sequence is an epitope tag sequence.
- 17. (Cancelled) The chimeric molecule of Claim 15, wherein said heterologous amino acid sequence is a Fc region of an immunoglobulin.
- 18. (Cancelled) An antibody which specifically binds to a polypeptide according to any one of Claims 12 to 14.
- 19. (Cancelled) The antibody of Claim 18, wherein said antibody is a monoclonal antibody, a humanized antibody or a single-chain antibody.
- 20. (Cancelled) Isolated nucleic acid having at least 80% nucleic acid sequence identity to:
 - (a) a nucleotide sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) or Figure 46 (SEQ ID NO:80), lacking its associated signal peptide;
 - (b) a nucleotide sequence encoding an extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40),

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Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) or Figure 46 (SEQ ID NO:80), with its associated signal peptide; or

- (c) a nucleotide sequence encoding an extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) or Figure 46 (SEQ ID NO:80), lacking its associated signal peptide.
- 21. (Cancelled) An isolated polypeptide having at least 80% amino acid sequence identity to:
 - (a) the polypeptide shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) or Figure 46 (SEQ ID NO:80), lacking its associated signal peptide;
 - (b) an extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29),

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Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) or Figure 46 (SEQ ID NO:80), with its associated signal peptide; or

- (c) an extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), Figure 4 (SEQ ID NO:9), Figure 6 (SEQ ID NO:11), Figure 8 (SEQ ID NO:16), Figure 10 (SEQ ID NO:18), Figure 12 (SEQ ID NO:23), Figure 14 (SEQ ID NO:29), Figure 16 (SEQ ID NO:35), Figure 18 (SEQ ID NO:40), Figure 20 (SEQ ID NO:45), Figure 22 (SEQ ID NO:50), Figure 24 (SEQ ID NO:52), Figure 26 (SEQ ID NO:57), Figure 28 (SEQ ID NO:59), Figure 30 (SEQ ID NO:61), Figure 32 (SEQ ID NO:63), Figure 34 (SEQ ID NO:65), Figure 36 (SEQ ID NO:67), Figure 38 (SEQ ID NO:72), Figure 40 (SEQ ID NO:74), Figure 42 (SEQ ID NO:76), Figure 44 (SEQ ID NO:78) or Figure 46 (SEQ ID NO:80), lacking its associated signal peptide.
- 22. (Currently Amended) An isolated nucleic acid having at least 80% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2</u> (SEQ ID NO:2), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2</u> (SEQ ID NO:2), lacking its associated signal peptide, <u>wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation</u>;
 - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
 - (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

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(e)(c) the nucleic acid <u>having the sequence of shown in Figure 1</u> (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;

- (f)(d) the full-length coding sequence of the nucleic acid <u>having the sequence of shown in Figure 1</u> (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation; or
- (g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation.
- 23. (Currently Amended) The isolated nucleic acid of Claim 22 having at least 85% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide, <u>wherein said</u> isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
 - (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e)(c) the nucleic acid <u>having the sequence of shown in Figure 1</u> (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (f)(d) the full-length coding sequence of the nucleic acid having the sequence of shown in Figure 1 (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation; or

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(g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation.

- 24. (Currently Amended) The isolated nucleic acid of Claim 22 having at least 90% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2</u> (SEQ ID NO:2), lacking its associated signal peptide, <u>wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation</u>;

 - (e)(c) the nucleic acid <u>having the sequence of shown in Figure 1</u> (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce <u>chondrocyte redifferentiation</u>;
 - (f)(d) the full-length coding sequence of the nucleic acid <u>having the sequence of shown in Figure 1 (SEQ ID NO:1)</u>, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation; or
 - (g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation.
- 25. (Currently Amended) The isolated nucleic acid of Claim 22 having at least 95% nucleic acid sequence identity to:

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(a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;

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(b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;

- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (e)(c) the nucleic acid <u>having the sequence of shown in Figure 1 (SEQ ID NO:1)</u>, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
- (f)(d) the full-length coding sequence of the nucleic acid <u>having the</u> sequence <u>of</u> shown in Figure 1 (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation; or
- (g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation.
- 26. (Currently Amended) The isolated nucleic acid of Claim 22 having at least 99% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2</u> (SEQ ID NO:2), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2</u> (SEQ ID NO:2), lacking its associated signal peptide, <u>wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation</u>;
 - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

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(e)(c) the nucleic acid having the sequence of shown in Figure 1 (SEQ ID NO:1);

(f)(d) the full-length coding sequence of the nucleic acid <u>having the</u> sequence <u>of</u> shown in Figure 1 (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation; or

(g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation.

- 27. (Currently Amended) An isolated nucleic acid comprising:
- (a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e)(c) the nucleic acid <u>having the sequence of shown in Figure 1 (SEQ ID NO:1)</u>;
- (f)(d) the full-length coding sequence of the nucleic acid having the sequence of shown in Figure 1 (SEQ ID NO:1); or
- (g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.
- 28. (Currently Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2 (SEQ ID NO:2)</u>.
- 29. (Currently Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide <u>having the sequence of shown in Figure 2 (SEQ ID NO:2)</u>, lacking its associated signal peptide.
- 30. (Cancelled) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID · NO:2).

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31. (Cancelled) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide.

- 32. (Currently Amended) The isolated nucleic acid of Claim 27 comprising the nucleic acid having the sequence of shown in Figure 1 (SEQ ID NO: 1).
- 33. (Currently Amended) The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the nucleic acid having the sequence of shown in Figure 1 (SEQ ID NO: 1).
- 34. (Previously Added) The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.
 - 35. (Currently Amended) An isolated nucleic acid that hybridizes to:
 - (a) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (b) a nucleic acid sequence encoding the polypeptide <u>having the sequence of</u> shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide, <u>wherein said</u> isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;

 - (e)(c) the nucleic acid <u>having the</u> sequence <u>of shown in Figure 1</u> (SEQ ID NO:1), wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation;
 - (f)(d) the full-length coding sequence of the nucleic acid <u>having the sequence of shown in Figure 1 (SEQ ID NO:1)</u>, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation; or

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(g)(f) the full-length coding sequence of the cDNA deposited under ATCC accession number 203581, wherein said isolated nucleic acid encodes a polypeptide having the ability to induce chondrocyte redifferentiation.

36. (Currently Amended) The isolated nucleic acid of Claim 35, wherein said hybridization occurs under stringent conditions, wherein the stringent conditions comprise:

50% formamide;

5 x SSC (0.75 M NaCl, 0.075 M sodium citrate);

50 mM sodium phosphate (pH 6.8);

0.1% sodium pyrophosphate;

5 x Denhardt's solution;

sonicated salmon sperm DNA (50 micrograms/ml)

0.1% SDS, and 10% dextran sulfate at 42°C;

washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C; and

a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

- 37. (Previously Added) The isolated nucleic acid of Claim 35 which is at least 10 nucleotides in length.
 - 38. (Previously Added) A vector comprising the nucleic acid of Claim 22.
- 39. (Previously Added) The vector of Claim 38, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.
 - 40. (Previously Added) A host cell comprising the vector of Claim 38.
- 41. (Previously Added) The host cell of Claim 40, wherein said cell is a CHO cell, an *E. coli* or a yeast cell.